

attached to second ends of a plurality of electrically conductive elements or legs 213-218 (213, 217, and 218 are shown in Fig. 4) extending therefrom. First ends, i.e., ends opposite from the top 212, (e.g., 219) of the electrically conductive elements 213-218 alternately couple to either a first electrical connection 230 or a second electrical connection 240. Thus, if a positive voltage source is coupled to the first electrical connection 230 and a negative voltage source is coupled to the second electrical connection 240, current flows away from the first electrical connection 230, through electrically conductive elements 213, 215, and 217-214, 216, and 218, and through electrically conductive top 210 before returning to the second electrical connection 240 (through electrically conductive elements 214, 216, and 218 215, 217, and 213.)

Please substitute the following three paragraphs for the first three paragraphs on page 9 of the application.

In Step 750, the electrically conductive structure 210 couples to the coated core 220. For a conductive structure 210 with elements 213-218 extending from a conductive top 212 and a coated core 220 with channels oriented parallel to the side 655 of the coated core 220, the conductive top 212 may set on top surface 520 620 of the coated core 220 and the elements 213-218 may lie flush with or be laterally confined, i.e., lying entirely beneath the outer surface 650 of the coated core 220. As a result, adjacent electrically conductive elements, e.g. 217 and 218, are connected to receptacles of different electrical connections.

In Step 760, receptacles 512, 514, and 522 of the second electrical connection 240 receive electrically conductive elements 217, 215, and 213. In Step 770, receptacles 563, 564, and 584 562, 564, and 572 of the first electrical connection 230 receive the electrically conductive elements 218, 214, and 216.

In Step 780, electrically conductive elements 217, 215, and 213 are silver soldered at a temperature above the melting point of silver solder and below the melting points of copper, steel, zirconia, and a combination of nickel, chromium, aluminum, and yttrium to receptacles 512, 514, and 522 and, in Step 790, electrically conductive elements 218, 214, and 216 are similarly silver soldered to receptacles 563, 564, and 584 562, 564, and 572 at the electrically conductive element-receptacle joints (e.g. 205).